WHAT IS CLAIMED IS:

1.   An image processing apparatus for reproducing a
recorded digital data stream, comprising:

        determination means for determining whether an
object having a predetermined attribute exists in the
recorded digital data stream; and

        reproducing means for changing a reproducing form of
the object and reproducing the object when said
determination means determines that the object having the
predetermined attribute exists.

2.   The apparatus according to claim 1, wherein

        the digital data stream includes a data stream coded
by a digital television MPEG4 scheme, and has main data and
sub-data,

        the main data includes data having a plurality of
objects divided in units of predetermined objects, and

        the sub-data includes attribute information of the
object.

3.   The apparatus according to claim 2, wherein the
digital data stream includes a digital television data
stream containing an object coded by an MPEG4 scheme and
the sub-data multiplexed on an MPEG2 bitstream.

4.   The apparatus according to claim 1, wherein said

reproducing means does not display the object in reproducing the object having the predetermined attribute.

5. The apparatus according to claim 1, wherein the predetermined attribute includes a real-time information attribute which is significant in recording the digital data stream.

6. The apparatus according to claim 1, wherein
the apparatus further comprises timepiece means for measuring current time, and
said reproducing means replaces the object by another display based on time measurement by said timepiece means in reproducing the object having the predetermined attribute.

7. A display device for receiving and displaying digital data reproduced by a reproducing device, comprising:
determination means for determining whether an object having a predetermined attribute exists in the digital data; and
display control means for changing a display form of the object and displaying the object when said determination means determines that the object having the predetermined attribute exists.

8.   The device according to claim 7, wherein said display control means does not display the object in reproducing the object having the predetermined attribute.

5   9.   The device according to claim 7, wherein the predetermined attribute includes a real-time information attribute which is significant in recording the digital data.

10   10.   The device according to claim 7, wherein

the device further comprises timepiece means for measuring current time, and

said display control means replaces the object by another display based on time measurement by said timepiece

15   means in reproducing the object having the predetermined attribute.

11.   An image processing method of reproducing a recorded digital data stream, comprising:

20   the determination step of determining whether an object having a predetermined attribute exists in the recorded digital data stream; and

the reproducing step of changing a reproducing form of the object and reproducing the object when the object

25   having the predetermined attribute is determined to exist in the determination step.

12.   The method according to claim 11, wherein

the digital data stream includes a data stream coded

by a digital television MPEG4 scheme, and has main data and

5   sub-data,

the main data includes data having a plurality of

objects divided in units of predetermined objects, and

the sub-data includes attribute information of the

object.

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13.   The method according to claim 12, wherein the digital

data stream includes a digital television data stream

containing an object coded by an MPEG4 scheme and the

sub-data multiplexed on an MPEG2 bitstream.

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14.   The method according to claim 11, wherein said

reproducing step comprises not displaying the object in

reproducing the object having the predetermined attribute.

20   15.   The method according to claim 11, wherein the

predetermined attribute includes a real-time information

attribute which is significant in recording the digital

data stream.

25   16.   The method according to claim 11, wherein

the method further comprises the timepiece step of

measuring current time, and

said reproducing step comprises replacing the object
by another display based on time measurement in the
timepiece step in reproducing the object having the
5   predetermined attribute.

17.   An image processing apparatus for reproducing a
recorded digital data stream, comprising:
        determination means for determining whether an
10   object having a predetermined attribute exists in the
recorded digital data stream;
        designation means for designating a reproducing form
of the object having the predetermined attribute from a
plurality of reproducing forms; and
15   reproducing control means for reproducing an image
corresponding to the object having the predetermined
attribute in the reproducing form designated by said
designation means when said determination means determines
that the object having the predetermined attribute exists.
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18.   The apparatus according to claim 17, wherein the
reproducing form designated by said designation means
includes reproducing by using an icon corresponding to the
predetermined attribute.
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19.   The apparatus according to claim 17, wherein the

reproducing form designated by said designation means further includes reproducing by using an audio object.

20. The apparatus according to claim 17, wherein the reproducing form designated by said designation means includes non-display of the object having the predetermined attribute.

21. The apparatus according to claim 17, wherein the reproducing form designated by said designation means includes display of time information obtained in recording the digital data stream.

22. The apparatus according to claim 17, wherein the predetermined attribute includes an emergency news telop.

23. The apparatus according to claim 17, wherein said designation means comprises:
     instruction means for instructing a reproduced icon on a display screen; and
     means for changing a set value for designating the reproducing form in accordance with instruction operation of said instruction means.

24. The apparatus according to claim 17, wherein
     the digital data stream includes a data stream coded

by a digital television MPEG4 scheme, and has main data and sub-data,

the main data includes data having a plurality of objects divided in units of predetermined objects, and

5   the sub-data includes attribute information of the object.

25.   The apparatus according to claim 24, wherein the digital data stream includes a digital television data

10   stream containing an object coded by an MPEG4 scheme and the sub-data multiplexed on an MPEG2 bitstream.

26.   The apparatus according to claim 17, wherein designation by said designation means can be executed

15   during reproducing of the object having the predetermined attribute.

27.   An image processing method in an image processing apparatus for reproducing a recorded digital data stream,

20   comprising:

the determination step of determining whether an object having a predetermined attribute exists in the recorded digital data stream;

the designation step of designating a reproducing

25   form of the object having the predetermined attribute from a plurality of reproducing forms; and

the reproducing control step of reproducing an image corresponding to the object having the predetermined attribute in the reproducing form designated in the designation step when the object having the predetermined attribute is determined to exist in the determination step.

28. The method according to claim 27, wherein the reproducing form designated in the designation step includes reproducing by using an icon corresponding to the predetermined attribute.

29. The method according to claim 27, wherein the reproducing form designated in the designation step further includes reproducing by using an audio object.

30. The method according to claim 27, wherein the reproducing form designated in the designation step includes non-display of the object having the predetermined attribute.

31. The method according to claim 27, wherein the reproducing form designated in the designation step includes display of time information obtained in recording the digital data stream.

32. The method according to claim 27, wherein the

predetermined attribute includes an emergency news telop.

33.   The method according to claim 27, wherein the designation step comprises:

the instruction step of instructing a reproduced icon on a display screen; and

the step of changing a set value for designating the reproducing form in accordance with instruction operation in the instruction step.

34.   The method according to claim 27, wherein

the digital data stream includes a data stream coded by a digital television MPEG4 scheme, and has main data and sub-data,

the main data includes data having a plurality of objects divided in units of predetermined objects, and

the sub-data includes attribute information of the object.

35.   The method according to claim 34, wherein the digital data stream includes a digital television data stream containing an object coded by an MPEG4 scheme and the sub-data multiplexed on an MPEG2 bitstream.

36.   The method according to claim 34, wherein designation in the designation step can be executed during reproducing

of the object having the predetermined attribute.

37.   A computer-readable recording medium which stores a
program of executing an image processing method of
reproducing a recorded digital data stream, comprising:
        a determination step module for determining whether
an object having a predetermined attribute exists in the
recorded digital data stream; and
        a reproducing module for changing a reproducing form
of the object and reproducing the object when the object
having the predetermined attribute is determined to exist
in the determination step module.

38.   A computer-readable recording medium which stores a
program of executing an image processing method of
reproducing and displaying a recorded digital data stream,
comprising:
        a determination step module for determining whether
an object having a predetermined attribute exists in the
recorded digital data stream;
        a designation step module for designating a
reproducing form of the object having the predetermined
attribute from a plurality of reproducing forms; and
        a reproducing control step module for reproducing an
image corresponding to the object having the predetermined
attribute in the reproducing form designated in the

designation step module when the object having the predetermined attribute is determined to exist in the determination step module.